

Data File : VU035089.D
Acq On : 11 Oct 2019 14:48
Operator : JC/SP
Sample : K5310-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
OU2-MW-2-001-01

Quant Time: Oct 12 01:55:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 12 01:49:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	155992	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	166059	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	60741	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	56455	6.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	122.40%
7) Chloroethane-d5	1.68	69	49013	5.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.80%
11) 1,1-Dichloroethene-d2	2.26	63	80122	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.40%
20) 2-Butanone-d5	4.17	46	144564	53.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.48%
24) Chloroform-d	4.62	84	89203	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.29	65	54709	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
32) Benzene-d6	5.32	84	193071	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.31	67	68797	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	7.55	98	169387	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	7.84	79	19604	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.30	63	107635	48.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.62%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	54542	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	57484	5.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.20%

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	3719	0.238 ug/L	98
5) Vinyl chloride	1.40	62	250268	16.292 ug/L	99
12) 1,1-Dichloroethene	2.27	96	1935	0.193 ug/L #	1
13) Acetone	2.31	43	9180	4.128 ug/L	94
15) Methyl Acetate	2.43	43	1152	0.195 ug/L #	53
18) trans-1,2-Dichloroethene	2.96	96	16610	1.548 ug/L	97
22) cis-1,2-Dichloroethene	4.20	96	1057843	88.391 ug/L	91
25) Chloroform	4.65	83	15390	0.642 ug/L	92
34) Trichloroethene	6.16	95	200341	15.530 ug/L	98
35) Methylcyclohexane	6.31	83	14917	0.714 ug/L #	19
37) 1,2-Dichloropropane	6.31	63	7801	0.578 ug/L #	88
45) 1,1,2-Trichloroethane	8.21	97	7763	0.867 ug/L #	1
47) Tetrachloroethene	8.21	164	891442	85.370 ug/L	97
48) 2-Hexanone	8.30	43	11839	2.033 ug/L #	52
49) Dibromochloromethane	8.21	129	857681	82.826 ug/L #	12
59) 1,2,3-Trichloropropane	11.47	75	8370	0.958 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 12 01:49:52 2019
Response via : Initial Calibration

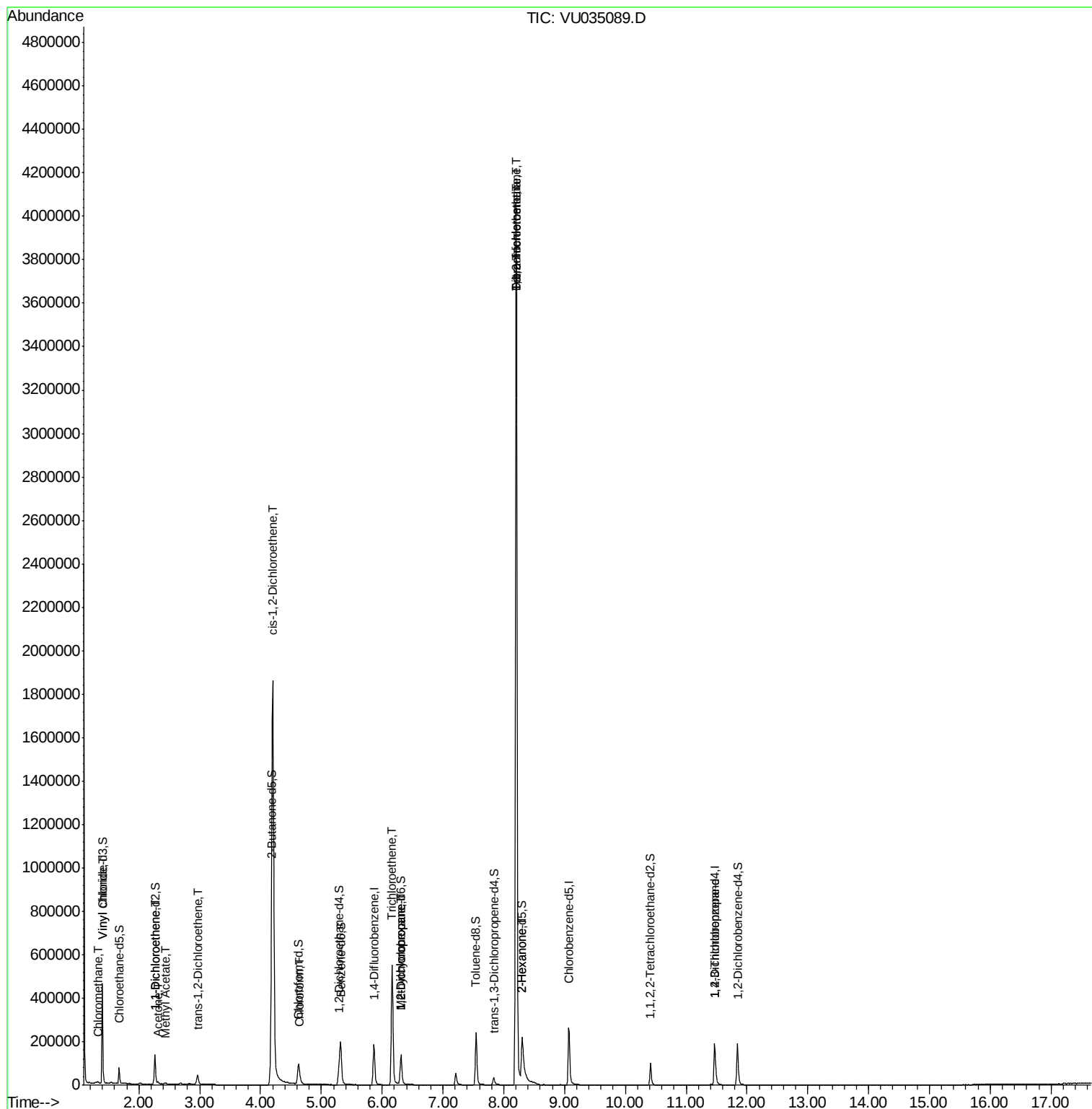
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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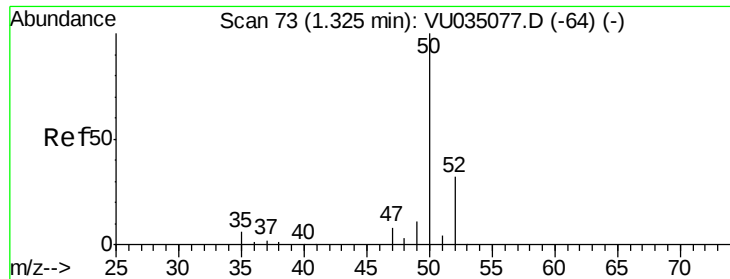
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.238 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU035089.D

Acq: 11 Oct 2019 14:48

Instrument :

MSVOA_U

ClientSampleId :

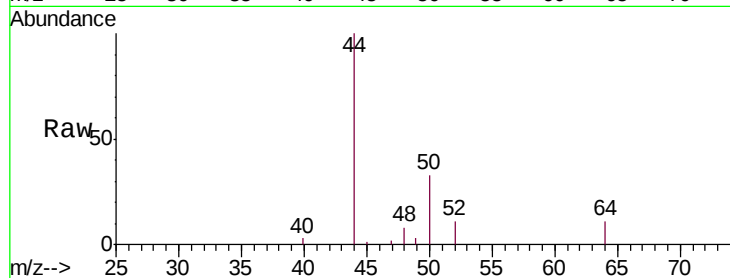
OU2-MW-2-001-01

Tgt Ion: 50 Resp: 3719

Ion Ratio Lower Upper

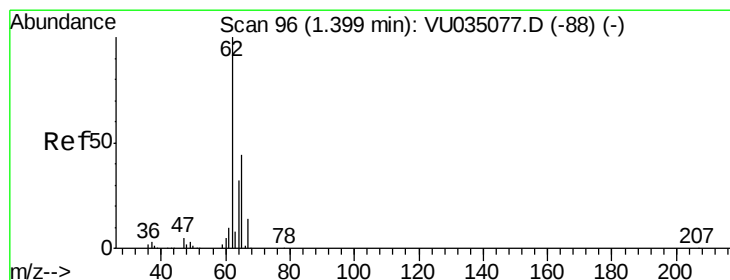
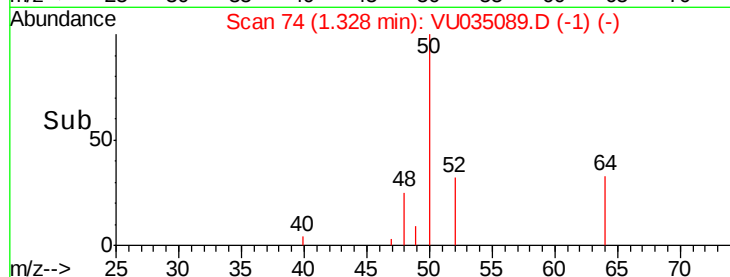
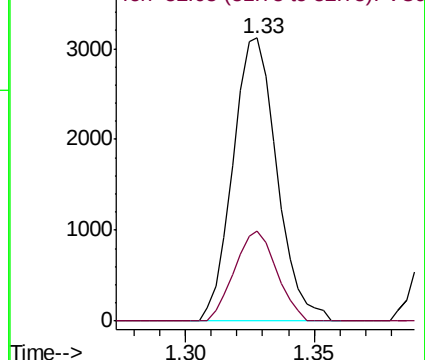
50 100

52 32.0 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU035077.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU035077.D (-64) (-)



#5

Vinyl chloride

Concen: 16.292 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU035089.D

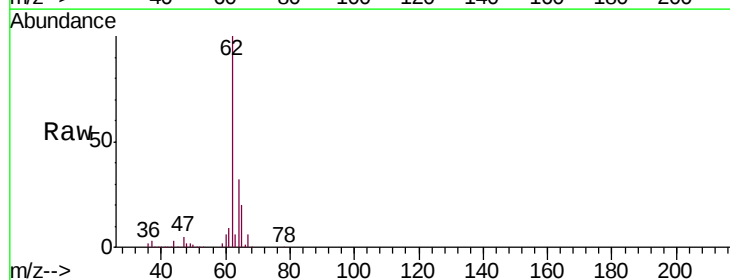
Acq: 11 Oct 2019 14:48

Tgt Ion: 62 Resp: 250268

Ion Ratio Lower Upper

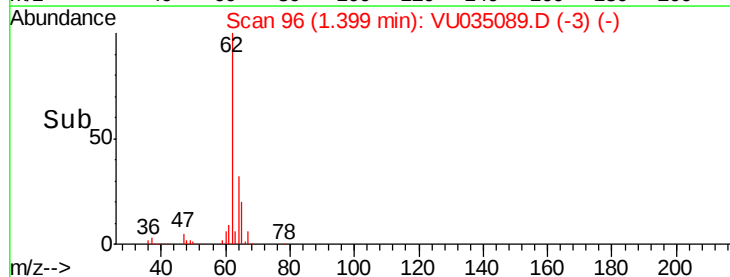
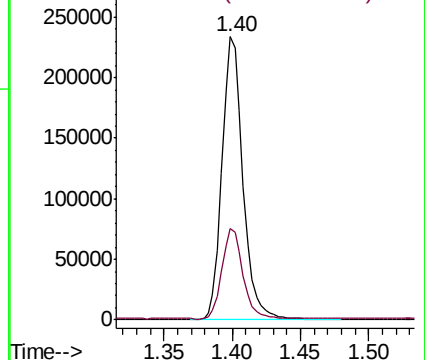
62 100

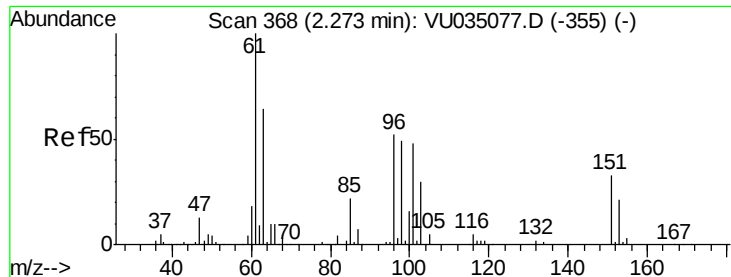
64 32.1 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU035077.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU035077.D (-88) (-)





#12

1,1-Dichloroethene

Concen: 0.193 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU035089.D

Acq: 11 Oct 2019 14:48

Instrument :

MSVOA_U

ClientSampleId :

OU2-MW-2-001-01

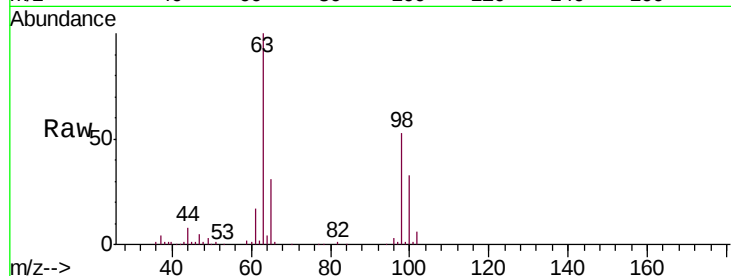
Tgt Ion: 96 Resp: 1935

Ion Ratio Lower Upper

96 100

61 591.3 129.3 240.1#

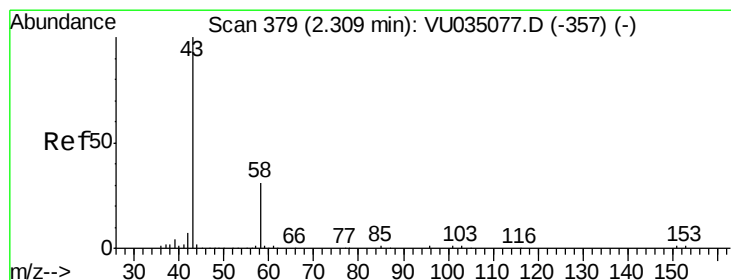
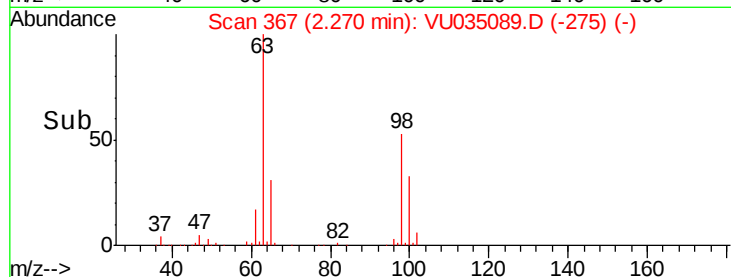
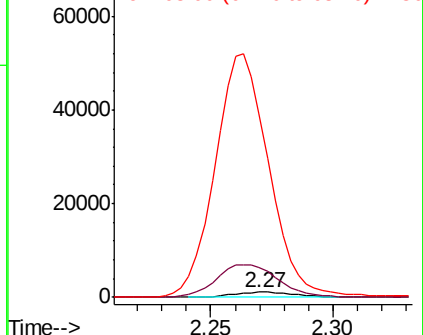
63 3580.6 108.9 202.3#



Abundance Ion 96.00 (95.70 to 96.70): VU035077.D (-355) (-)

Ion 61.05 (60.75 to 61.75): VU035077.D (-355) (-)

Ion 63.00 (62.70 to 63.70): VU035077.D (-355) (-)



#13

Acetone

Concen: 4.128 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU035089.D

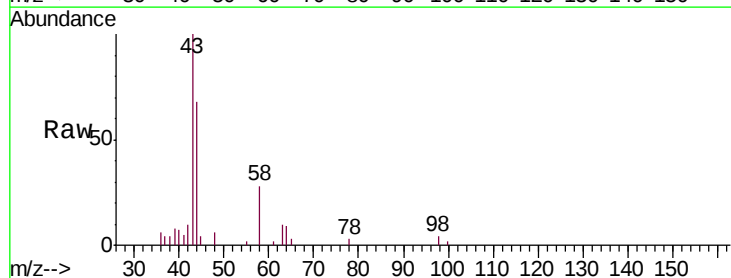
Acq: 11 Oct 2019 14:48

Tgt Ion: 43 Resp: 9180

Ion Ratio Lower Upper

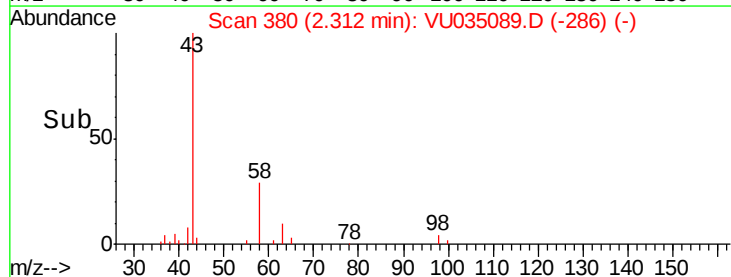
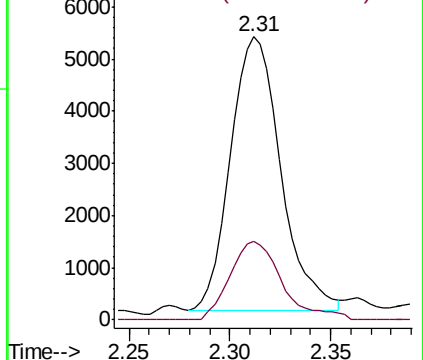
43 100

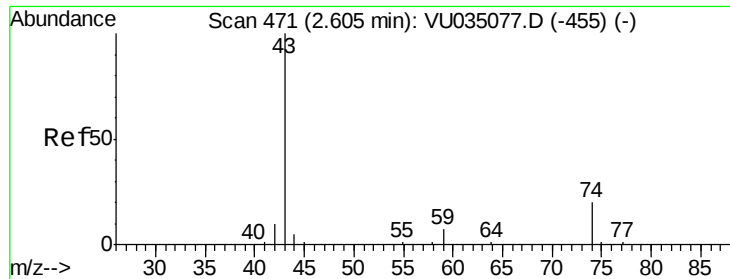
58 29.8 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035077.D (-357) (-)

Ion 58.05 (57.75 to 58.75): VU035077.D (-357) (-)

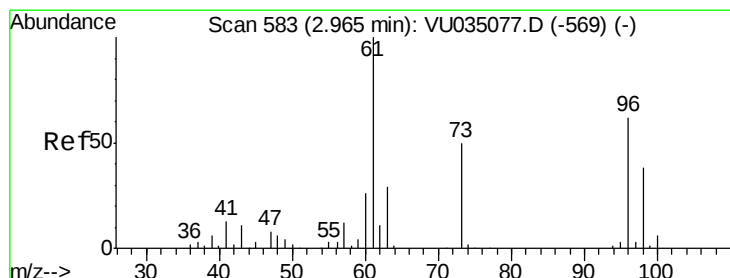
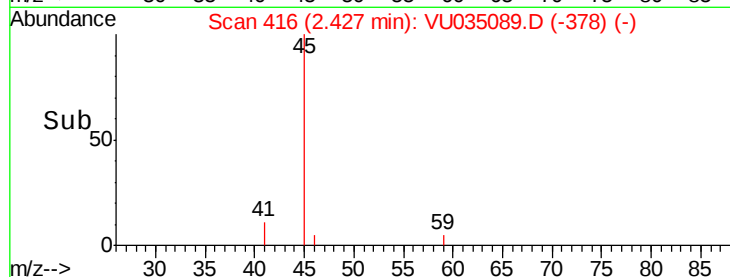
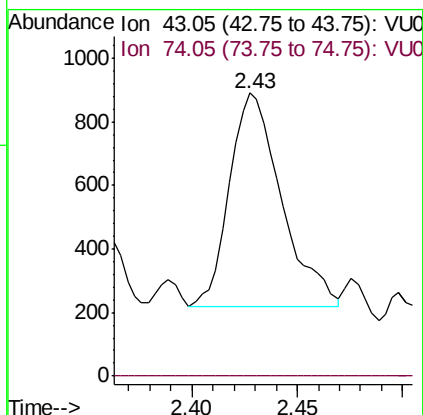
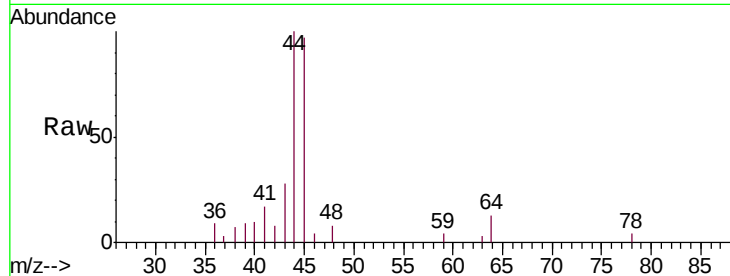




#15
Methyl Acetate
Concen: 0.195 ug/L
RT: 2.43 min Scan# 416
Delta R.T. -0.18 min
Lab File: VU035089.D
Acq: 11 Oct 2019 14:48

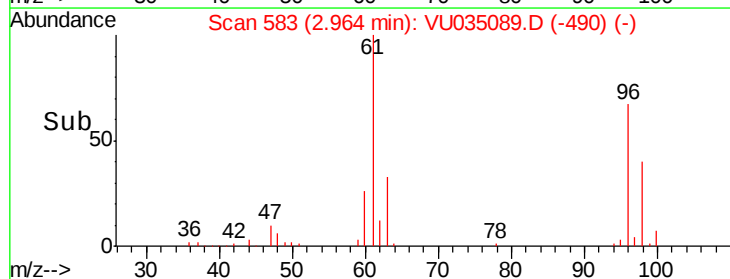
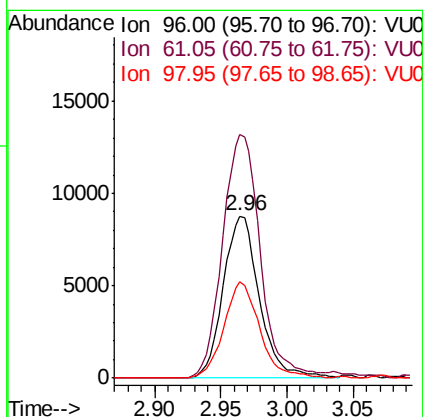
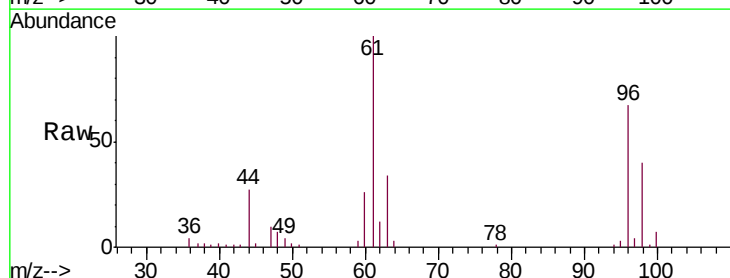
Instrument :
MSVOA_U
ClientSampleId :
OU2-MW-2-001-01

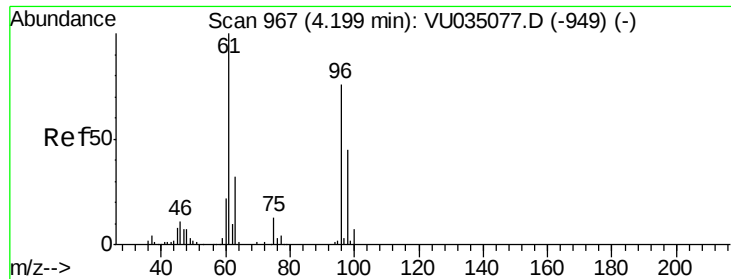
Tgt Ion: 43 Resp: 1152
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#18
trans-1,2-Dichloroethene
Concen: 1.548 ug/L
RT: 2.96 min Scan# 583
Delta R.T. -0.00 min
Lab File: VU035089.D
Acq: 11 Oct 2019 14:48

Tgt Ion: 96 Resp: 16610
Ion Ratio Lower Upper
96 100
61 150.3 107.1 198.9
98 59.6 45.4 84.4



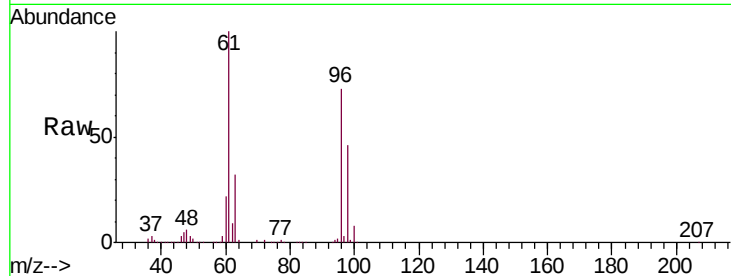


#22

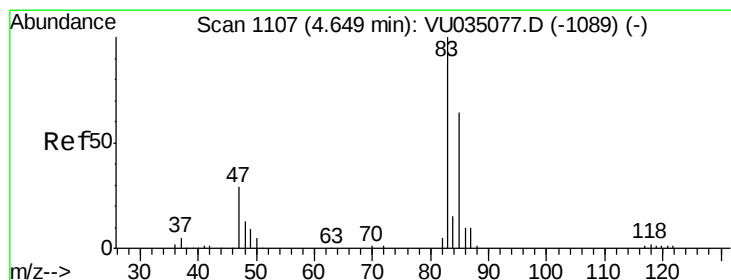
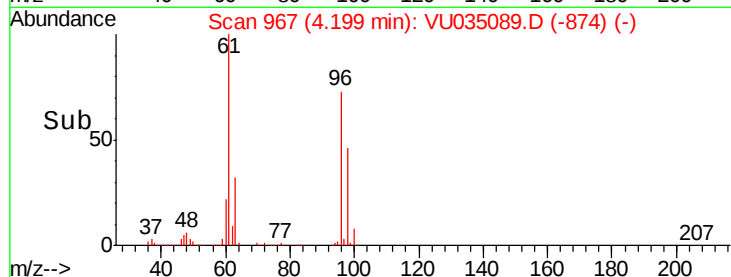
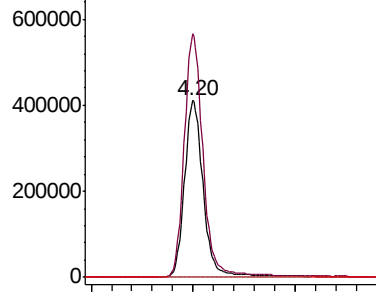
cis-1,2-Dichloroethene
 Concen: 88.391 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU035089.D
 Acq: 11 Oct 2019 14:48

Instrument :
 MSVOA_U
 ClientSampleId :
 OU2-MW-2-001-01

Tgt Ion: 96 Resp: 1057843
 Ion Ratio Lower Upper
 96 100
 61 137.8 89.2 165.6
 68 0.0 0.0 0.0



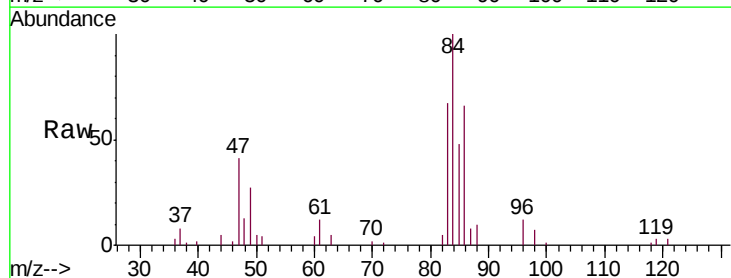
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



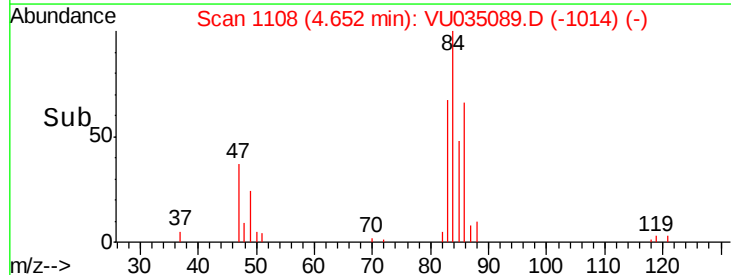
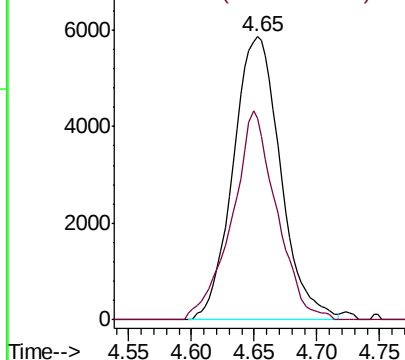
#25

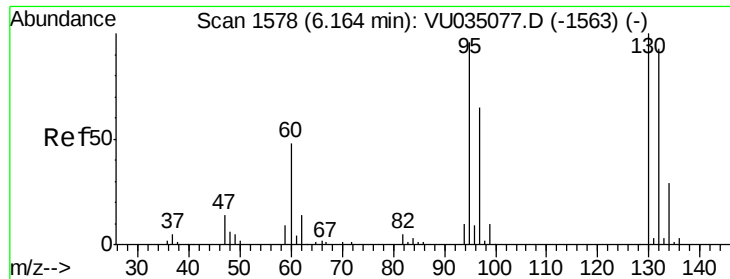
Chloroform
 Concen: 0.642 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VU035089.D
 Acq: 11 Oct 2019 14:48

Tgt Ion: 83 Resp: 15390
 Ion Ratio Lower Upper
 83 100
 85 71.0 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 15.530 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU035089.D

Acq: 11 Oct 2019 14:48

Instrument :

MSVOA_U

ClientSampleId :

OU2-MW-2-001-01

Tgt Ion: 95 Resp: 200341

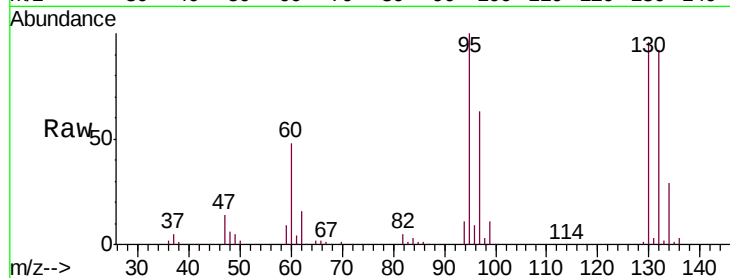
Ion Ratio Lower Upper

95 100

97 63.0 44.5 82.7

132 92.1 66.6 123.8

130 96.5 68.9 127.9

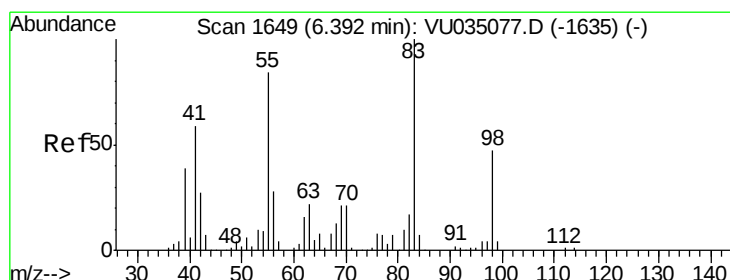
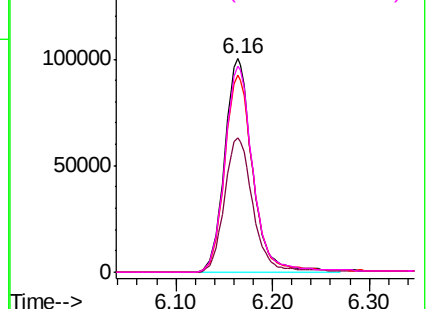
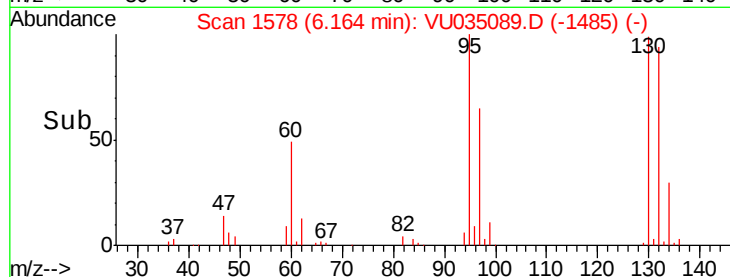


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.714 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.08 min

Lab File: VU035089.D

Acq: 11 Oct 2019 14:48

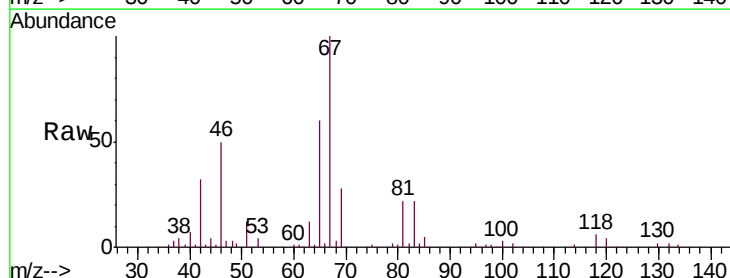
Tgt Ion: 83 Resp: 14917

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

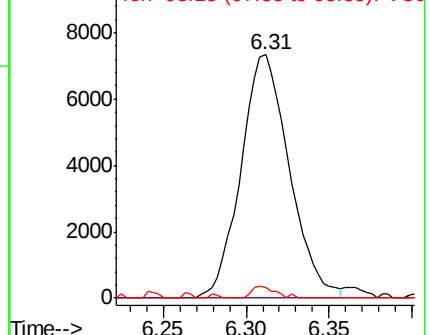
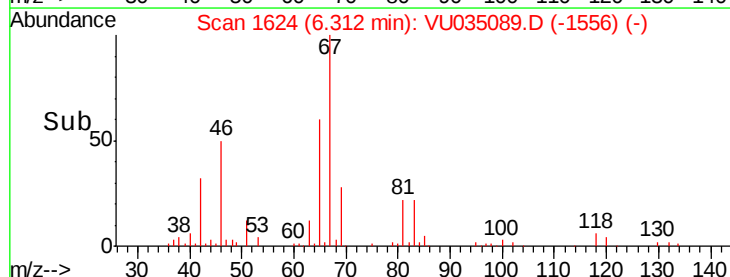
98 2.3 36.2 54.2#

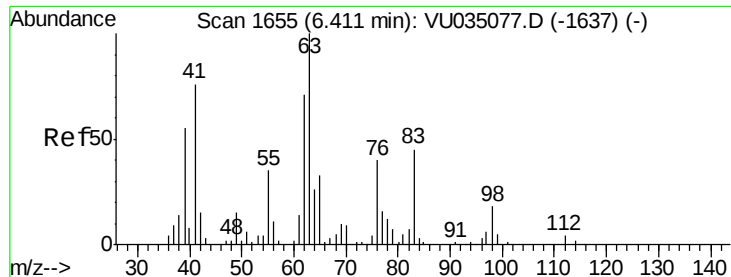


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.578 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.10 min

Lab File: VU035089.D

Acq: 11 Oct 2019 14:48

Instrument :

MSVOA_U

ClientSampleId :

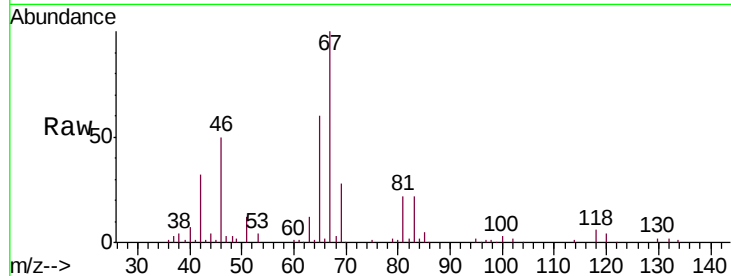
OU2-MW-2-001-01

Tgt Ion: 63 Resp: 7801

Ion Ratio Lower Upper

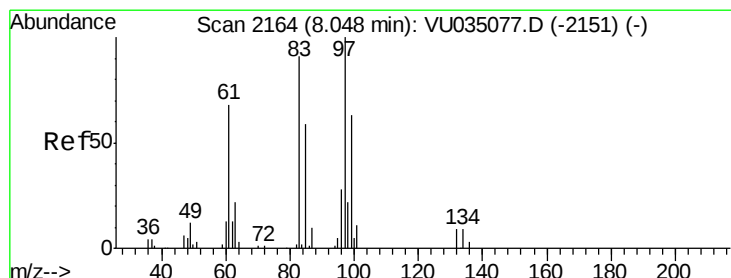
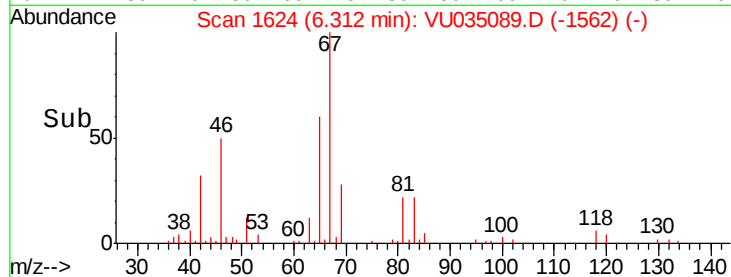
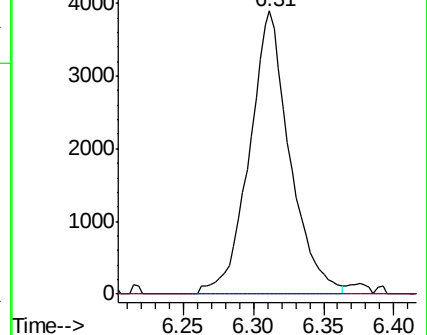
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU035077.D (-1637) (-)

Ion 112.10 (111.80 to 112.80): VU035077.D (-1637) (-)



#45

1,1,2-Trichloroethane

Concen: 0.867 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.16 min

Lab File: VU035089.D

Acq: 11 Oct 2019 14:48

Tgt Ion: 97 Resp: 7763

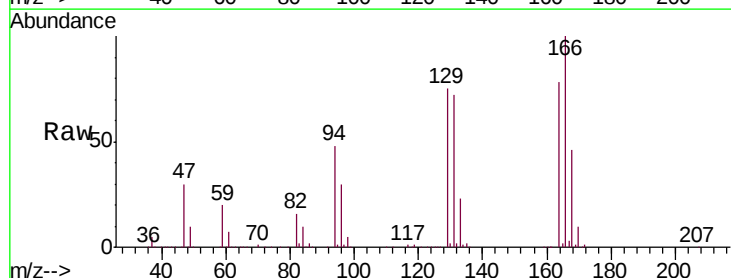
Ion Ratio Lower Upper

97 100

99 18.5 42.3 78.5#

83 276.8 58.0 107.6#

85 40.2 37.8 70.2

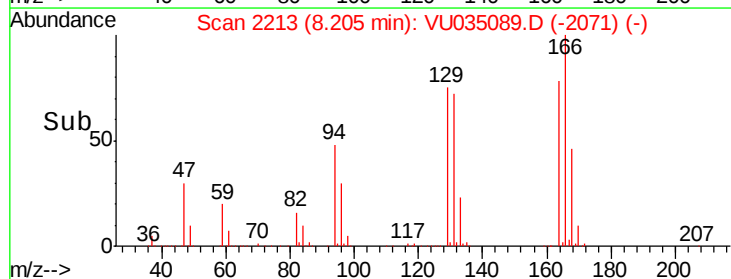
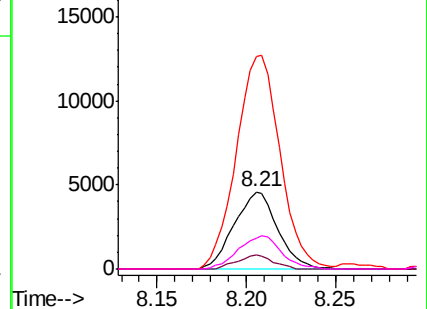


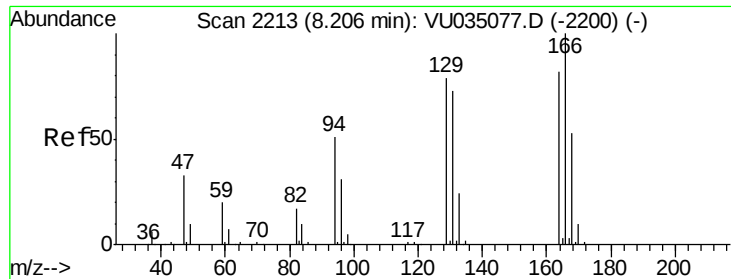
Abundance Ion 96.95 (96.65 to 97.65): VU035077.D (-2151) (-)

Ion 99.05 (98.75 to 99.75): VU035077.D (-2151) (-)

Ion 82.95 (82.65 to 83.65): VU035077.D (-2151) (-)

Ion 85.00 (84.70 to 85.70): VU035077.D (-2151) (-)

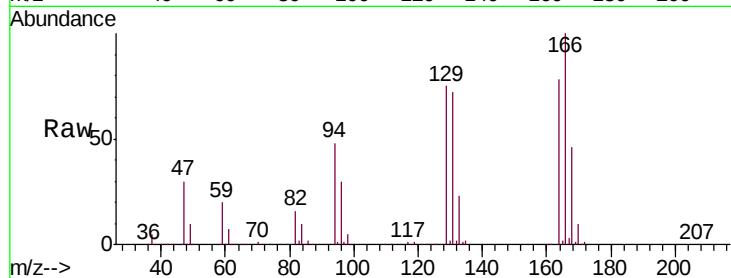




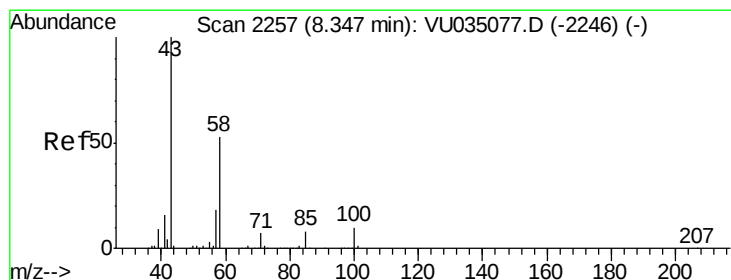
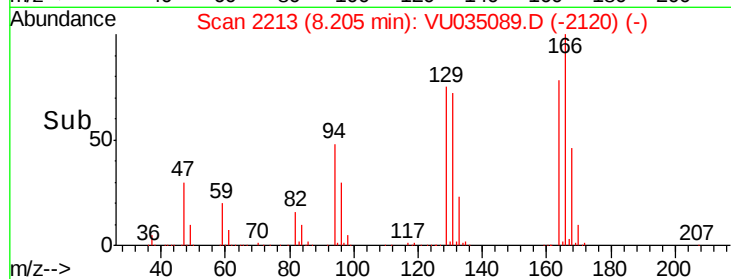
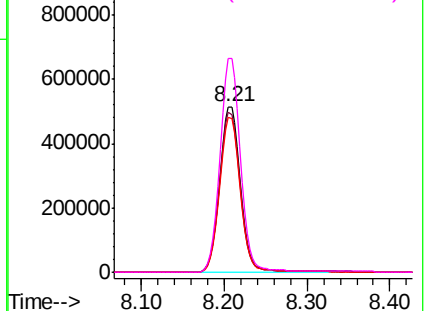
#47
Tetrachloroethene
Concen: 85.370 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU035089.D
Acq: 11 Oct 2019 14:48

Instrument :
MSVOA_U
ClientSampleId :
OU2-MW-2-001-01

Tgt Ion:164 Resp: 891442
Ion Ratio Lower Upper
164 100
129 96.3 68.5 127.1
131 93.3 67.3 124.9
166 128.7 93.1 172.9

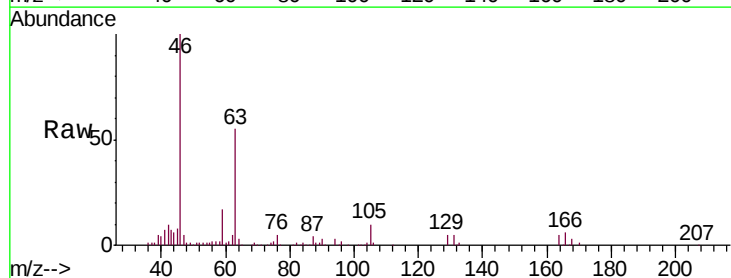


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

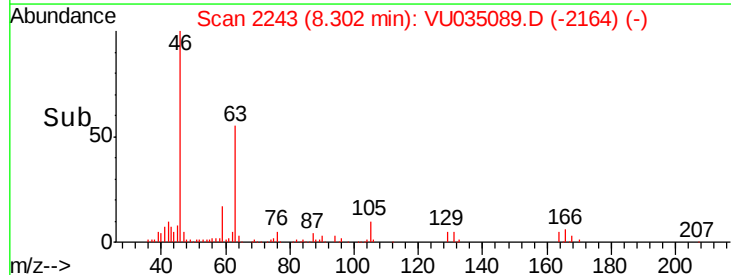
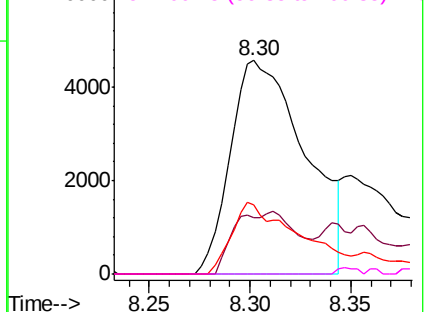


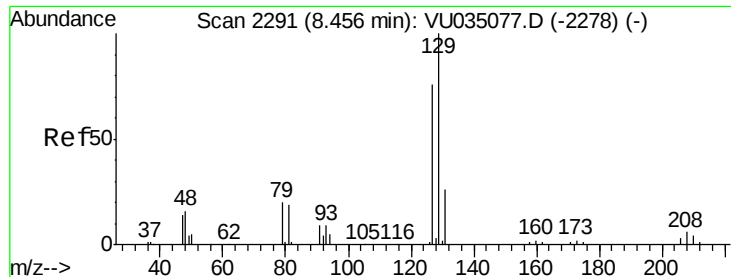
#48
2-Hexanone
Concen: 2.033 ug/L
RT: 8.30 min Scan# 2243
Delta R.T. -0.05 min
Lab File: VU035089.D
Acq: 11 Oct 2019 14:48

Tgt Ion: 43 Resp: 11839
Ion Ratio Lower Upper
43 100
58 11.3 44.1 66.1#
57 30.5 15.8 23.8#
100 0.0 9.4 14.2#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 82.826 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.25 min

Lab File: VU035089.D

Acq: 11 Oct 2019 14:48

Instrument :

MSVOA_U

ClientSampleId :

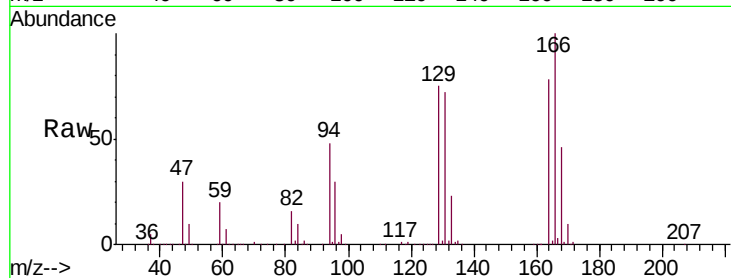
OU2-MW-2-001-01

Tgt Ion:129 Resp: 857681

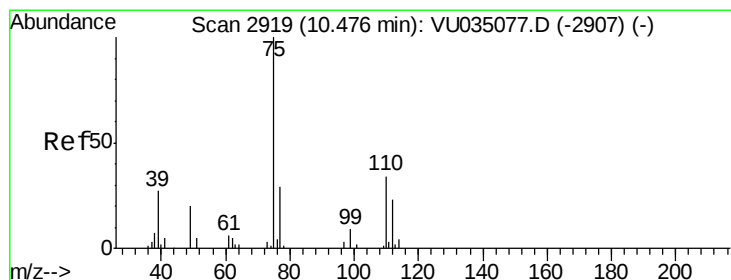
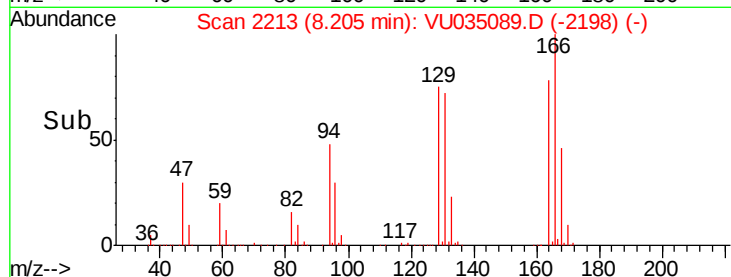
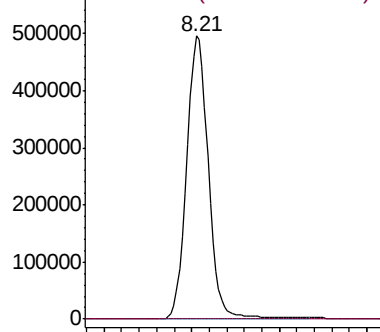
Ion Ratio Lower Upper

129 100

127 0.1 51.9 96.5#



Abundance Ion 128.95 (128.65 to 129.65): V



#59

1,2,3-Trichloropropane

Concen: 0.958 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU035089.D

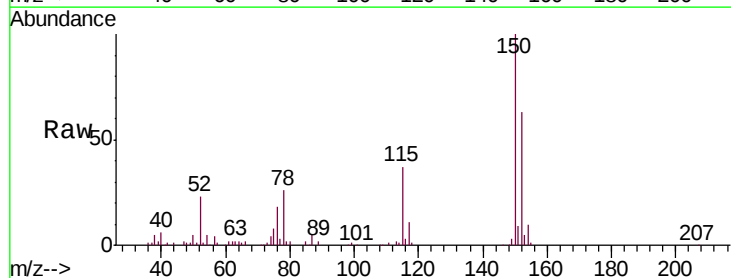
Acq: 11 Oct 2019 14:48

Tgt Ion: 75 Resp: 8370

Ion Ratio Lower Upper

75 100

77 32.7 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU0

